



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **167155** | Service: **LPT** | Call **K49JX-D** | Channel: **23 (UHF)** |
ID: | Sign: |
File **0000089911**
Number:
FRN: **0018223693** | Eligibility **Eligible** | Date **11/30**
Status: | Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	Robert Folliard PO Box 30319 Atlanta, GA 30319 United States	+1 (701) 237-5211	robert. folliard@gray. tv	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Sam Hariton <i>Widely</i>	Sam Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widely.com

**Broadcaster
Information
and
Transition
Plan**

Question		Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.		Yes
Briefly describe transition plan		K23NW-D is planning to purchase an upgraded antenna and transmitter, to re-use its transmission line, and to install the equipment at a new transmitter location shared with a sister station K21JK-D (168357, low power).

Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Ownership	Owned
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Ranger CZ250
	Year	2008
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	0.25 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	UAXTE- 2R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.2 kW
	Justification for New Transmitter	K23NW-D cannot retune the transmitter.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Other Transmitter Costs	Does the transmitter installation require a Transmitter Building Site Survey/Installation?	No
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Rigid Conduit and Wiring	No
	Other Electrical Service	Yes

	Description	Modification of existing electrical service for installation of surge protector and flex conduit to transmitter
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Mask Filter	Mask Filter

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Ownership	Owned
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	ERP: (Effective Radiated Power)	1.0 kW
	Manufacturer	
	Model	SL-8
	Year	2007

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Change Type	Purchase New
	Ownership	Owned
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	ERP: (Effective Radiated Power)	600.0 W
	Manufacturer	
	Model	TBD
	Year	2019

	Justification for New Antenna	Sharing the antenna with sister station K21JK will cut costs in supporting two sites at same location. Also Better signal coverage, Directional Covering Front and Back Side to serve more population.
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Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	Upper and lower frequency
	Frequency	512.0 MHz - 530.0 MHz
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line	Section	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	No
Tower Equipment And Rigging Costs	Section	Question	Response
	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes
Primary Tower	Existing Tower		
	Section	Question	Response
	Existing Tower Description	Type of change	Modify Existing
		Tower Use	Primary (Main)
		Ownership	Leased
		Is this tower consider Complex?	No
		Is this tower currently shared with any other stations?	Yes
		One or more FM, AM or TV radio broadcaster(s)	Yes
		Others Types of Users	No
		Is tower documented for structural analysis?	No
		Is tower compliant with Rev G?	Unknown
	Existing Tower Structure Registration	Do you have a tower registration number?	No
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 18' 55.0" N-
		Longitude (NAD83)	108° 12' 17.4" W-
		Overall Structure Height	184.00 feet

Support Structure Height	184.00 feet
Ground Elevation Above Mean Sea Level (AMSL)	10174.00 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Southwest Colorado Television Translator Association
Date Constructed	01/01/1999

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
168357	K21JK-D	LPD

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Tower mapping and report for structural engineer
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
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Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

**Primary
Tower**

Other Tower Expenses Not Listed

Name		Description
Removal of Equipment		Removal of Equipment

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	254
	Explanation	K23NW-D does not have sufficient capacity and expertise in house to handle all reimbursement activities necessary to facilitate on-time completion of the station's build. As such, K23NW-D will hire an outside firm to support K23NW-D in these tasks.
Outside RF consulting Engineering Services	Perform engineering study for displacement application	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Prepare Form 601	Yes

Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Form 399 assistance or other program management costs	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**

Services not provided.

**Other
Expenses**

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Permit and Filing Costs	FCC Construction Permit Major Change	Yes
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	No
Point to Point Microwave (STL/ICR)	Frequency Coordination for Unidirection System	No
	Frequency Coordination for Bi-Direction System	Yes
	New Point to Point Microwave System	Yes
	Type	Unlicensed

**Other
Expenses**

Other Expenses Not Listed

Information not provided.

Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost
Primary Transmitter UAXTE-2R37	\$112,431.53	\$55,651.98		\$43,022.45
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$84,000.00	\$43,022.45	Estimated Cost Justification K23NW-D-110-Primary Transmitter - UHF - Air Cooled Solid State Transmitter 1 - 2.5kw v0	\$43,022.45
Other Electrical Service: Modification of existing electrical service for installation of surge protector and flex conduit to transmitter	<i>\$2,500.00</i>	\$2,500.00	Please see Est_812_from_A__J_Electric_Inc._1272	N/A
5 Ton system	\$20,250.00	\$4,448.00	Please see Fortney Refrigeration Proposal Mini Split Raspberry mtn. Note that 5 Tons is the smallest size LMS allows to be entered.	N/A
Mask Filter	<i>\$5,681.53</i>	\$5,681.53	Please see mask filter from Quote Q-766864 plus additional services on Quote Q-76684	N/A
Sub-total	\$112,431.53	\$55,651.98	N/A	\$43,022.45
Total for all systems	\$355,933.00	\$311,496.05	N/A	\$164,395.26

Components

Actual Information	
Description	File Name
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	<div> Component Description: Transmitter, Mask Filter System, Installation & Proof, Freight </div> <div> Amount: \$14,581.52 </div> <div> Component Description: Transmitter </div> <div> Amount: \$28,440.93 </div>
Other Electrical Service: Modification of existing electrical service for installation of surge protector and flex conduit to transmitter	Information not provided.
5 Ton system	Information not provided.
Mask Filter	Information not provided.

Cost Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TBD	\$27,130.00	\$27,130.00		\$1,218.79	
1 kW UHF Combiner (per channel)	\$9,400.00	\$9,400.00	N/A	N/A	N/A
Sweep test of transmission line and antenna	\$5,730.00	\$5,730.00	N/A	N/A	N/A
UHF-Low Power, Side Mount, Slotted Coaxial, 600.0watt input, Horizontal	<i>\$12,000.00</i>	\$12,000.00	The Est Cost has been established by like-for-like antenna information. See the station narrative and Justification K23NW-D Antenna Cost Like-For-Like for details.	\$1,218.79	N/A
Sub-total	\$27,130.00	\$27,130.00	N/A	\$1,218.79	N/A
Total for all systems	\$355,933.00	\$311,496.05	N/A	\$164,395.26	N/A

Components

Actual Information Description	File Name
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1 kW UHF Combiner (per channel)	Information not provided.
Sweep test of transmission line and antenna	Information not provided.
UHF-Low Power, Side Mount, Slotted Coaxial, 600.0watt input, Horizontal	<div> <div> Component Description: </div> <div> Broadcast Antenna Mounting Brackets </div> </div> <div> <div> Amount: </div> <div> \$1,218.79 </div> </div>

Cost Information **Transmission Line**
Information not provided.

Cost Information **Tower Equipment and Rigging Costs**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$160,714.47	\$160,714.47		\$99,892.52	
Major tower reinforcement /modifications	<i>\$79,874.47</i>	\$79,874.47	see Estimated Cost Justification K23NW-D 410-Existing Primary Tower - Major Tower Reinforcement Modifications v1	\$78,267.52	N/A
Removal of Equipment	<i>\$3,650.00</i>	\$3,650.00	Per Thin Air Estimate 3064_002_KKCO	\$3,650.00	N/A
Tower Rigging Short Tower (less than 500')	\$56,190.00	\$56,190.00	N/A	\$17,975.00	N/A
Tower mapping and report for structural engineer	\$21,000.00	\$21,000.00	N/A	N/A	N/A
Sub-total	\$160,714.47	\$160,714.47	N/A	\$99,892.52	N/A
Total for all systems	\$355,933.00	\$311,496.05	N/A	\$164,395.26	N/A

Components

Actual Information	
Description	File Name
Major tower reinforcement /modifications	Component Description: KKCO Raspberry 180FT Guyed Tower Modification Project
	Amount: \$60,973.83
	Component Description: 180FT-GUYED-KKCO RASPBERRY 180FT GUYED TOWER MODIFICATION PROJECT
	Amount: \$17,293.69
Removal of Equipment	Component Description: Raspberry Channel 49 and 2GHz Parabolic Antenna Removals (K49JX-D Repack)
	Amount: \$3,650.00
Tower Rigging Short Tower (less than 500')	Component Description: KKCO Raspberry Site TV Broadcast Antenna Replacement (K49JX-D Repack)
	Amount: \$17,975.00
Tower mapping and report for structural engineer	Information not provided.

Cost Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$45,597.00	\$57,939.60		\$20,261.50	
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$2,235.00	\$2,235.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$3,262.50	\$492.10	Please see K23NW Attorney - Negotiation of Lease and Other Matters Budget Revision Justification Letter	\$492.10	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$1,577.50	\$1,577.50	N/A	N/A	N/A
Project management of the transition	\$26,797.00	\$41,910.00	Please see K23NW-D-LPTV strategic support quote	\$19,519.40	N/A
Prepare Form 601	\$755.00	\$755.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$3,025.00	\$3,025.00	N/A	N/A	N/A
Prepare/ Review 399 reimbursement form	\$1,710.00	\$1,710.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,052.50	\$1,052.50	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$2,102.50	\$2,102.50	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$1,280.00	\$1,280.00	N/A	N/A	N/A
Perform engineering study for displacement application	\$1,800.00	\$1,800.00	N/A	\$250.00	N/A
Sub-total	\$45,597.00	\$57,939.60	N/A	\$20,261.50	N/A
Total for all systems	\$355,933.00	\$311,496.05	N/A	\$164,395.26	N/A

Components

Actual Information	
Description	File Name
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> For Professional Services Rendered \$492.10 </div>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Project management of the transition	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Project Management \$2,528.70 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Project Management \$389.85 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Project Management \$1,381.60 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Project Management \$262.20 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Project Management \$702.35 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Project Management \$98.70 </div>

Component Description:	Project Management
Amount:	\$25.50

Component Description:	Project Management
Amount:	\$18.45

Component Description:	Project Management
Amount:	\$1,353.25

Component Description:	Project Management
Amount:	\$632.95

Component Description:	Project Management
Amount:	\$25.35

Component Description:	Project Management
Amount:	\$114.45

Component Description:	Project Management
Amount:	\$80.25

Component Description:	Project Management
Amount:	\$1,231.30

Component Description:	Project Management
Amount:	\$1,593.70

	Component Description:	Project Management
	Amount:	\$12.40
	Component Description:	Project Management
	Amount:	\$75.15
	Component Description:	Project Management
	Amount:	\$516.55
	Component Description:	Project Management
	Amount:	\$1,424.65
	Component Description:	Project Management
	Amount:	\$2,214.45
	Component Description:	Project Management
	Amount:	\$1,969.55
	Component Description:	Project Management
	Amount:	\$212.65
	Component Description:	Project Management
	Amount:	\$2,655.40
Prepare Form 601	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	

Prepare/ Review 399 reimbursement form	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Perform engineering study for displacement application	<div> <div> Component Description: </div> <div> "Reimbursement support: Provide derivation of required Transmitter Power Output regarding displacement facility on Ch-23." </div> </div> <div> <div> Amount: </div> <div> \$250.00 </div> </div>

Cost
Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$10,060.00	\$10,060.00		\$0.00	
New Point to Point Microwave System: Unlicensed	\$2,250.00	\$2,250.00	N/A	N/A	N/A
Point to Point Microwave (STL/ICR): Frequency Coordination for Bi-Direction System	\$1,100.00	\$1,100.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$305.00	\$305.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 Major change CP application	\$4,960.00	\$4,960.00	N/A	N/A	N/A

Sub-total	\$10,060.00	\$10,060.00	N/A	\$0.00	N/A
Total for all systems	\$355,933.00	\$311,496.05	N/A	\$164,395.26	N/A

Components

Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$355,933.00	\$311,496.05
			\$164,395.26

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he/she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Robert Folliard , III . <i>Assistant Secretary</i></p> <p>11/30/2020</p>

Attachments